SINGAPORE LABORATORY ACCREDITATION SCHEME

Accredited Laboratory SAC-SINGLAS

Schedule

Geo Lab (S) Pte Ltd
Shun Li Industrial Park
215 Kaki Bukit Ave 1
#02-00
Singapore 416042

Certificate No. : LA-2011-0501-B

Issue No. : 10

Date : 01 August 2022

FIELD OF TESTING : Civil Engineering Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A SOIL	1. Determination of Moisture Content by Oven-Drying Method	BS 1377 : Part 2 : 1990 : 3.2 ISO 17892-1 : 2014 ASTM D2216-19
	2. Determination of the Liquid Limit by Casagrande Apparatus Method	BS 1377 : Part 2 : 1990 : 4.5 ISO 17892-12 : 2018 ASTM D4318-17
	3. Determination of the Plastic Limit and Plasticity Index	BS 1377 : Pt 2 : 1990: 5 ISO 17892-12 : 2018 ASTM D4318-17
	4. Determination of Shrinkage Characteristics by Linear Shrinkage	BS 1377 : Part 2 : 1990: 6.5
	5. Determination of Density by: Linear Measurement Method	BS 1377 : Part 2 : 1990 : 7.2 ISO 17892-2 : 2014
	6. Determination of Particle Density by Gas Jar Method	BS 1377 : Part 2 : 1990 : 8.2
	7. Determination of Particle Size Distribution by (a) Wet Sieving Method (b) Dry Sieving Method (c) Sedimentation by the Hydrometer Method	 BS1377:Part 2: 1990: 9.2 BS1377: Part 2:1990:9.3 BS1377:Part 2:1990: 9.5 ISO 17892-4:2016
	8. Determination of the one-dimensional Consolidation Properties	BS1377: Part 5: 1990:3 ISO 17892-5:2017 ASTM D2435/ D2435M-11

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MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A. SOIL	9. Determination of the Unconfined Compressive Strength	BS 1377 : Part 7 : 1990 : 7 ISO 17892-7:2017
	10. Determination of Shear Strength by the laboratory Vane method	BS 1377 : Part 7 : 1990 : 3
	11. Determination of the Undrained Shear Strength in Triaxial Compression without Measurement of Pore Pressure	BS 1377 : Pt 7 : 1990: 8 ISO 17892-8:2018
	12. Determination of the Undrained Shear Strength in Triaxial Compression with Multistage Loading and without Measurement of Pore Pressure	BS 1377 : Part 7 : 1990: 9 ISO 17892-7:2017
	13. Determination of the Liquid Limit by Cone Penetrometer Method	BS 1377 : Part 2 : 1990 : 4.3 ISO 17892-12:2018
	14. Consolidated- Undrained Triaxial Compression Test with Measurement of Pore Pressure	BS 1377 : Part 8 : 1990 : 7 ISO 17892-9:2018
	15. Consolidated-Drained Triaxial Compression Test with Measurement of volume change	BS 1377 : Part 8 : 1990 : 8 ISO 17892-9:2018
	16. Determination of Permeability by Falling-Head Method	K.H Head Vol.2 ISO 17892-11:2019
	17. Determination of the unconsolidated undrained triaxial compression test with measurement of pore pressure	BS1377: Part 7:1990, Section 8 BS1377: Part 8: 1990
	18. Determination of Particle Density (Pyknometer)	BS 1377 : Part 2 : 1990 : 8.3 ISO 17892-3:2015
	19. Determination of Dry Density / Moisture Content	BS 1377 : Part 4 : 1990
	20. Sand Replacement method Suitable for fine-medium grained soils (small Pouring Cylinder method)	BS 1377 : Pt 9 : 1990
	21. Determination of pH value	BS 1377 : Part 3 : 2018

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MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
	22. Determination of Shear Strength By direct shear box	BS 1377 : Part 7 : 1990 ISO 17892-10:2018
	23. Determination of Permeability In A Triaxial Cell	BS. 1377 : Part 6 : 1990 : 6 ISO 17892-11:2019
B. ROCK	1. Point load Test	International Society for Rock Mechanism (ISRM) 2nd Re-Draft - March 1984 ASTM D5731-16
	2. Unconfined compressive Strength of intact rock core	ASTM D7012: 14E1
	3. Slakes durability of shales and similar weak rock	ASTM 4644-04
	4. Indirect Tensile Brazil Test	ISRM (Blue Book) Part 2
	5. Moisture Content of Rock	ISRM (Blue Book) Part 2 ASTM D2216-19
	6 Suggest Methods for Porosity/Density Determination Using Saturation and Caliper Techniques	ISRM (Blue Book) Part 2

Approved Signatories

S/N	Name		Scope
1.	Ms. San San Aye	-	All tests
2.	Mr. Htet Ko Ko Lin	-	All tests

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.